

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

DIGITAL SIGNAL PROCESSING METHOD AND APPARATUS THEREOF, CONTROL DATA GENERATION METHOD AND APPARATUS THEREOF, AND PROGRAM RECORDING MEDIUM

the specification of which (check one) ☐ is attached hereto or ☒ was filed on February 9, 1999 as International Application Serial no. PCT/JP99/00557 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
			Yes	No
<u>P10-027584</u>	<u>Japan</u>	<u>09 February 1998</u>	<u>X</u>	<u> </u>
Number	Country	Day/Month/Year Filed		
<u>PCT/JP99/00557</u>	<u>PCT</u>	<u>09 February 1999</u>	<u>X</u>	<u> </u>
Number	Country	Day/Month/Year Filed		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) below.

Application Number	Filing Date
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Application Number	Filing Date
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status: Patented, Pending, Abandoned
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Application Number	Filing Date	Status: Patented, Pending, Abandoned
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I HEREBY APPOINT THE FOLLOWING AS MY ATTORNEYS WITH FULL POWER OF SUBSTITUTION TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT OFFICE CONNECTED THEREWITH:

Karl A. Limbach	18,689	Mark A. Dalla Valle	34,147	Kyla L. Harriel	41,816
George C. Limbach	19,305	Charles P. Sammut	28,901	Mayumi Maeda	40,075
John K. Uilkema	20,282	Mark C. Pickering	36,239	Kent J. Tobin	39,496
Neil A. Smith	25,441	Patricia Coleman James	37,155	Michael R. Ward	38,651
Veronica C. Devitt	29,375	Kathleen A. Frost	37,326	Roger S. Sampson	44,314
Ronald L. Yin	27,607	Alan S. Hodes	38,185	Tina Chen	P-44,606
Gerald T. Sekimura	30,103	Alan A. Limbach	39,749	Charles L. Hamilton	42,624
Michael A. Stallman	29,444	Douglas C. Limbach	35,249	Andrew V. Smith	43,132
Philip A. Girard	28,848	Brian J. Keating	39,520	Heath W. Hoglund	41,076
Michael J. Pollock	29,098	Seong-Kun Oh*		William G. Goldman	42,590
Stephen M. Everett	30,050	Cameron A. King	41,897	J. Thomas McCarthy	22,420
Alfred A. Equitz	30,922			Joel G. Ackerman	24,307

* Recognition under 37 CFR 10.9(b)

Send correspondence to: Charles P. Sammut, Esq.
Limbach & Limbach L.L.P.
2001 Ferry Building
San Francisco, CA 94111
Telephone: 415/433-4150

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor MINORU TSUJI

Inventor's signature Minoru Tsuji Date September, 9, 1999

Residence Chiba, Japan

Citizenship Japan

Post Office Address c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan

Full name of second joint inventor, if any, KENICHI IMAI

Inventor's signature Kenichi Imai Date September, 9, 1999

Residence Tokyo, Japan

Citizenship Japan

Post Office Address c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan

Full name of third joint inventor, if any, TAKASHI KOIKE

Inventor's signature Takashi Koike Date September, 9, 1999

Residence Kanagawa, Japan

Citizenship Japan

Post Office Address c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: M. Tsuji, et al.
SERIAL NO: 09/381,880
FILED: September 24, 1999
TITLE DIGIAL SIGNAL PROCESSING METHOD AND APPARATUS
THEREOF, CONTROL DATA GENERATION METHOD AND
APPARATUS THEREOF, AND PROGRAM RECORDING MEDIUM
AU: 2734

Assist. Commissioner of Patents
Washington, D.C. 20231

REVOCATION AND POWER OF ATTORNEY

Dear Sir:

SONY CORPORATION, a Japanese Corporation, having a place of business at 7-35,
Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141, Japan and owner of the above-
referenced patent application, hereby revokes all former appointments of powers of attorney
and hereby appoints the following attorneys to transact all business in the United States
Patent and Trademark Office connected herewith:

Terrence M. Brennan, Reg. No. 42,360
Thomas J. Burton, Reg. No. 47,464
Matthew M. Catlett, Reg. No. 44,067
Jeffrey F. Craft, Reg. No. 30,044
D. Andrew Floam, Reg. No. 34,597
Brian J. Gill, Reg. No. 46,727
Gregory Gulliver, Reg. No. 44,138
John F. Griffith, Reg. No. 44,137
Kevin W. Guynn, Reg. No. 29,927
Jennifer Hammond, Reg. No. 41,814
Marc E. Hankin, Reg. No. 38,908
Lana Knedlik, Reg. No. 42,748
Michael L. Kiklis, Reg. No. 38,939
Eric N. Kohli, Reg. No. 43,726

Mark H. Krietzman, Reg. No. 41,128
Brian R. McGinley, Reg. No. 47,782
David R. Metzger, Reg. No. 32, 919
Michael A. Molano, Reg. No. 39,777
John F. Nethery, Reg. No. 42,928
Christopher P. Raush, Reg. No. 45,034
Francisco Rubio-Campos, Reg. No. 45,358
Marina N. Saito, Reg. No. 42,121
Alison P. Schwartz, Reg. No. 43,863
Jordan A. Sigale, Reg. No. 39,028
Janelle D. Strobe, Reg. No. 34,738
Vincent Tassinari, Reg. No. 42,179
Shashank S. Upadhye, Reg. No. P48,209

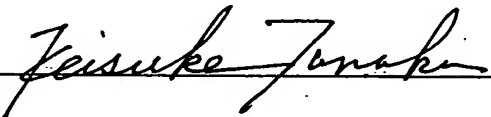
of the firm:

SONNENSCHN EINH & ROSENTHAL
P.O. Box 061080
Wacker Drive Station - Sears Tower
Chicago, Illinois 60606-1080
(312) 876-8000 telephone
(312) 876-7934 facsimile

to which all correspondence is to be directed.

The undersigned hereby states that I am empowered to sign this Revocation and Power of Attorney on behalf of SONY CORPORATION and certify that an assignment of the subject application to SONY CORPORATION was recorded with the United States Patent and Trademark Office on September 24, 1999 at Reel/Frame 010362/0433; that I have reviewed all the documents in the chain of title in the subject application and to the best of my knowledge and belief, title is in the name of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application.

Signature:  Date: 23 August, 2001

Name: Keisuke Tanaka
(Print)

Title: Manager, Intellectual Property Div.

FORM PTO-1595
1-31-92RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

MINORU TSUJI, KENICHI IMAI and TAKASHI KOIKE

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: SONY CORPORATION

Internal Address: _____

Street Address: 7-35, Kitashinagawa 6-chome, Shinagawa-kuCity, State and Zip: Tokyo 141-0001, Japan

Additional Name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: September 9, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: September 9, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Charles P. Sammut, Esq.

Internal Address: Limbach & Limbach L.L.P.
 Street Address: 2001 Ferry Building
 City, State, ZIP: San Francisco, California 94111
 Telephone: (415) 433-4150
 Facsimile: (415) 433-8716

Attorney Docket No. KOIK-P9142

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40,00

- ☒ Enclosed
☒ Charge any deficiencies in the enclosed fee to
 Deposit Account No. 12-1420
☐ Authorized to be charged to deposit account

8. Deposit account number: 12-1420

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mayumi Maeda, Reg. No. 40,075
 Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20213, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in DIGITAL SIGNAL PROCESSING METHOD AND APPARATUS THEREOF, CONTROL DATA GENERATION METHOD AND APPARATUS THEREOF, AND PROGRAM RECORDING MEDIUM for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: International Serial Number: PCT/JP99/00557, International Filing Date: February 9, 1999.

This assignment executed on the dates indicated below.

MINORU TSUJI

Name of first or sole inventor

Execution date of U.S. Patent Application

Chiba, Japan

Residence of first or sole inventor

Minoru Tsuji

Signature of first or sole inventor

September 9, 1999

Date of this assignment

KENICHI IMAI

Name of second inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of second inventor

Signature of second inventor

Kenichi Imai

September 9, 1999

Date of this assignment

TAKASHI KOIKE

Name of third inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of third inventor

Signature of third inventor

Takashi Koike

September 9, 1999

Date of this assignment

Name of fourth inventor

Execution date of U.S. Patent Application

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Name of fifth inventor

Execution date of U.S. Patent Application

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment